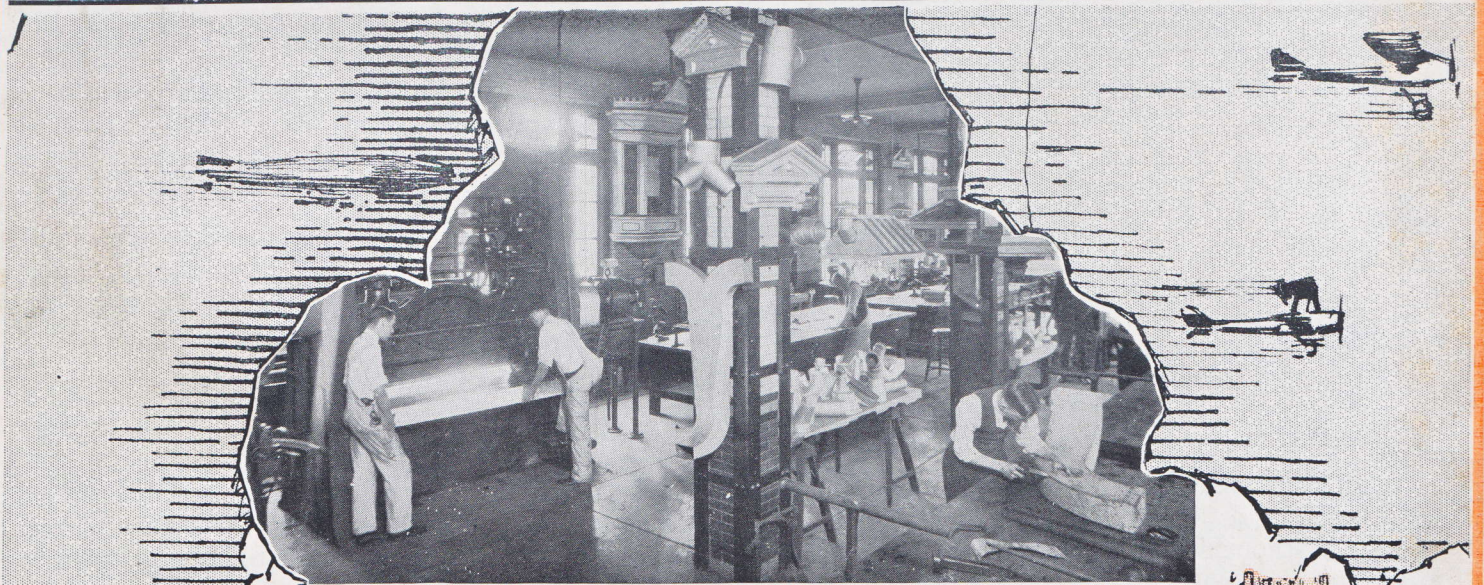


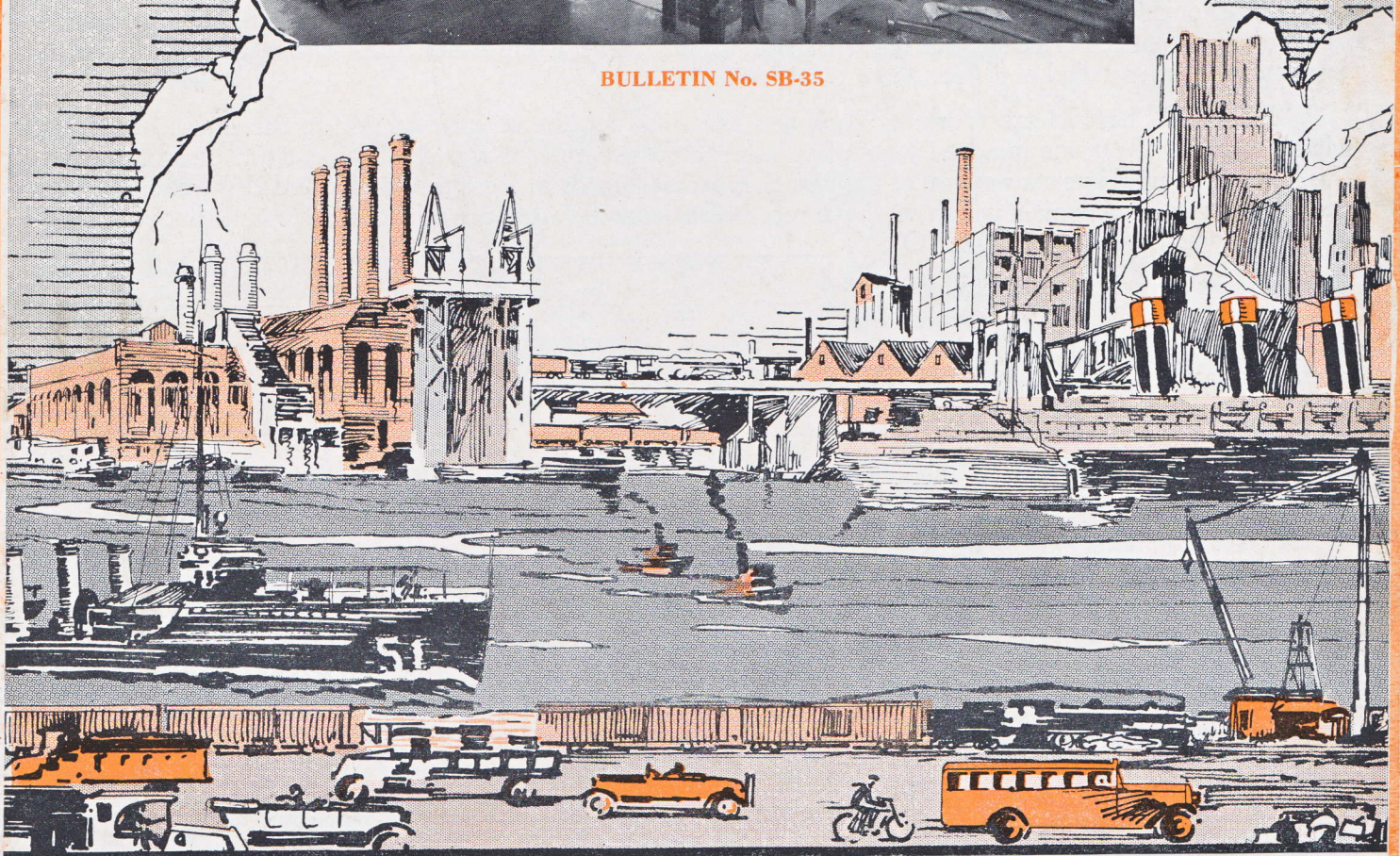


# MACHINES AND TOOLS *for* SHEET METAL WORK

As Applied To The School Shops and General Industries



BULLETIN No. SB-35



THE PECK, STOW & WILCOX CO.

Southington, Connecticut, U. S. A.

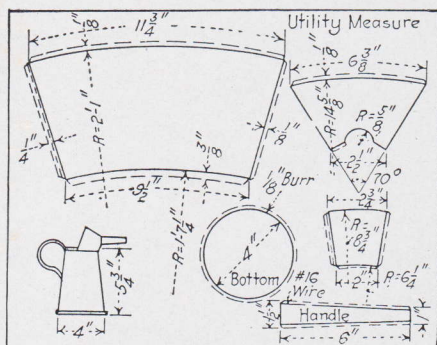
SINCE 1785



## SHEET METAL WORKING—ITS VALUE AS A VOCATIONAL SUBJECT

A course in Sheet Metal Working lends itself to the development of knowledge and of the ability to express ideas thru simple drawings or sketches in the lower grades, and to develop self-confidence in the advanced student in appreciation of the universal language of shop drawings.

On every hand the magnitude of the Sheet Metal Industry makes itself felt. In the Home, on the Farm, our Office and Industrial Buildings and in Modern Transportation, Sheet Metal Work as an Industrial Art is in great evidence. Schools to-day, everywhere are advancing the progress of this important vast industry.



### Oil Measure

Initial cost of installation is low with a minimum up-keep of cost in the employment of greatly inexpensive working materials. The finished product is representative of a great deal more than the material costs for its usefulness in the Home.

Industrial manufacturers invariably approach the development of A Marketable Sheet Metal Product thru the use of Machines and Tools shown in these pages. Samples are distributed and when large production is assured, not until then, are Power Presses and Dies introduced.

Oil Measure

A good Sheet Metal Worker can draft his own patterns and perhaps no other vocational subject can so well serve to bring out the value of intersections and developments in mechanical drawings as the drafting of sheet metal patterns.

FLOOR SPACE—No other Mechanical Course can employ as many Individual Machines at as low cost and requiring a minimum amount of floor space. We are illustrating a typical Floor Plan for a Sheet Metal Shop. Without details as to size of room, location of doors, windows, etc., it is impossible to lay out a plan to fully suit your particular needs, but we will gladly supply same if furnished with complete information on equipment to be installed and floor space available.

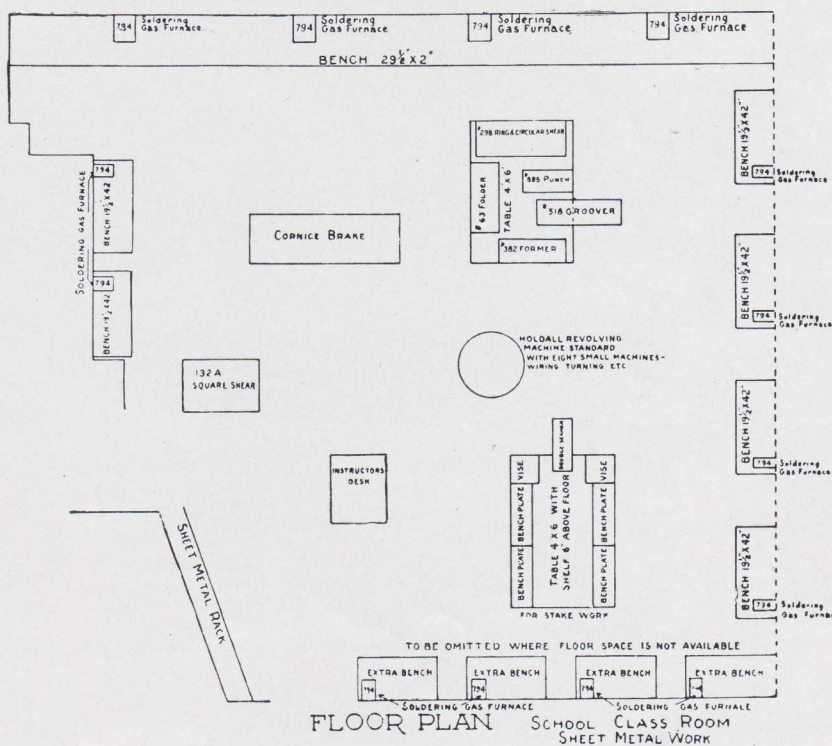
"PEXTO" Sheet Metal Working Tools and Machines require no introduction to the experienced Sheet Metal Worker. Over one hundred years of uninterrupted progress in the development and manufacture of this large and varied line assures you of the best the market affords in Design, Quality and Serviceability. The many voluntary testimonials which we have received from actual users are a further assurance that you cannot go wrong when specifying "PEXTO".

To assist the schools in the selection of the proper kind, capacity and size of Machines and Tools, we are listing herein our recommendations for Vocational, Technical, Senior High, Junior High and Composite School Shops, based on years of experience in equipping many hundreds of schools in all sections of the country.

Where additional items are required in schools already equipped in a limited way, we will gladly make further recommendations suitable for the courses contemplated.

*Mr. Sidney Schwarz, Instructor, John Ericsson Jr. High School, Brooklyn, N. Y. writes us under date of April 30, 1934:*

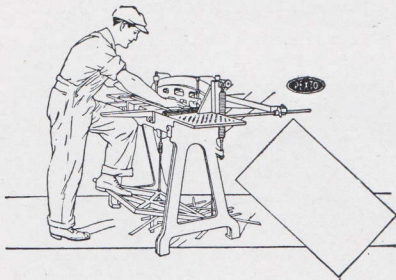
"Twelve years ago I entered the Vocational School for Boys to become a sheet metal worker. Mr. Joseph A. Danz, the instructor at the time, gave me one of your comprehensive catalogs. I have it yet after gaining much valuable assistance all thru my apprenticeship and as journeyman. It serves well to this day which finds me an instructor in the John Ericsson Jr. High School."



**SPECIFY "PEXTO" USING NUMBERS ON PAGE 4 AND SATISFACTION IS ASSURED**

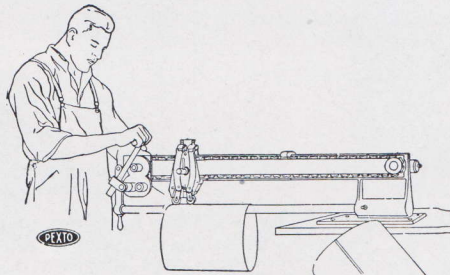


## SHEET METAL WORKING MACHINERY APPLICATION



### SQUARING SHEARS

Are used for trimming and squaring sheet iron. The line includes Shears, foot operated or for power.



### GROOVING MACHINES

Groove and flatten seams as previously prepared with the Folding Machine.

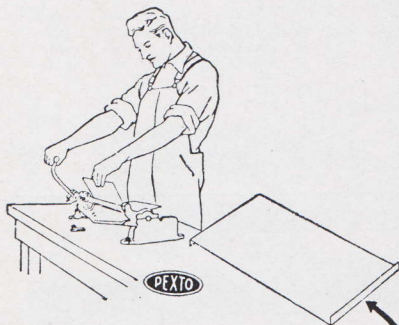
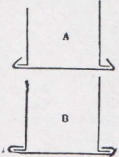
They are used on all lock seam bodies.



### SETTING DOWN MACHINE

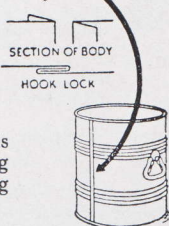
The Setting Down Machine makes ready the seams in body of vessels for double seaming.

A—This shows how bottom edge of body, and bottom of Can are prepared by Burring Machine for Setting-Down.  
B The Pexto Setting-Down Machine closes the seam as shown here. It works both speedily and accurately.



### FOLDING MACHINE

The Folding Machine is used extensively for edging sheet metal or the forming of locks or angles.



### BURRING MACHINE

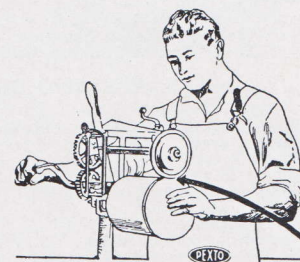
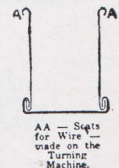
A difficult operation to master but practice will produce uniform flanges on sheet metal bodies and prepares the burr for bottoms preparatory to setting down and double seaming.

AA—Showing edges turned by Pexto Burring Machine. Note right-angle burr on body of can, and a still more pronounced burr on the bottom piece. The edge on bottom is turned smaller than on the body.



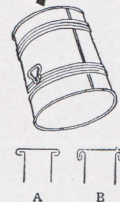
### TURNING MACHINE

More commonly employed to prepare a seat in bodies to receive a wire. The operation is completed with use of Wiring Machine.



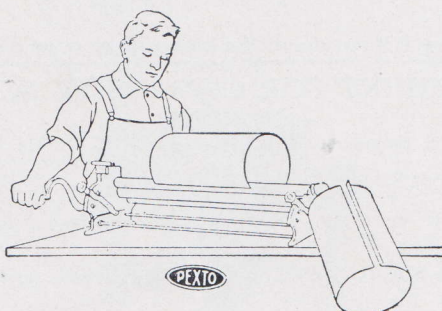
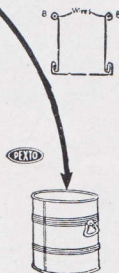
### DOUBLE SEAMING MACHINE

Offered in various styles and follows the setting down operation.



### WIRING MACHINE

Works the metal completely and compactly around wire. Depending on shape of work, seats to receive wire are prepared on Folder, Brake or Turning Machine.



### FORMING MACHINES

Are useful for forming flat sheets into cylinders of various diameters such as stove pipe, the bodies of vessels, cans, etc. Made in a variety of sizes and capacities.



### BEADING MACHINE

For ornamenting and stiffening sheet metal bodies.

WE CONTROL THE MANUFACTURE OF "PEXTO" PRODUCTS EVERY STEP OF THE WAY



## No. 1 — EQUIPMENT FOR VOCATIONAL OR TECHNICAL HIGH SCHOOLS

### — MACHINES —

1 No. 137	36" Pexto Squaring Shear with Holddown, Encased Springs, Precision Back Gauge and Front Gauges.	*1 No. 2544	Pexto Turning Machine with "A" and "B" Turning Rolls.
1 No. 63	30" Pexto Adjustable Bar Folder with Encased Counterbalance.	*1 No. 3544	Pexto Burring Machine with Extra Upper "C" Rolls.
1 No. 696	36" Pexto Combination Brake and Folder for bench use.	*1 No. 4544	Pexto Wiring Machine with "D" Wiring Rolls.
1 No. 1	30" Pexto Wrights Pipe Folder.	*1 No. 5544	Pexto Elbow Edging Machine with No. 1 Elbow Rolls.
1 No. 381	36"x2" Pexto Slip Roll Forming Machine with Encased Steel Machine-cut Compensating Gears.	*1 No. 561	Pexto Setting Down Machine.
1 No. 518	30" Pexto Rapid Grooving Machine.	*1 No. 644	15 1/2" Throat Pexto Double Seaming Machine.
1 No. 298	Pexto Ring and Circle Shear.	*1 No. 620	Pexto Beading Machine with 3/4" Single, 3/4" Ogee Rolls.
1 No. R0296	Pexto Lever Slitting Shear with Rod Cutter.	*1 No. 0585	Pexto Combination Crimping and Beading Machine—20 Gauge.
1 No. 675	15" Throat Pexto Samson Lever Punch with 1/8", 3/16" and 1/4" Punches and Dies.	1 No. 700	30" Pexto Adjustable Gutter Beader with 1/2" Bead Rod.
		1 No. 402	Pexto Brace and Wire Bender,—Cap. 1/4"x2" Band Iron.
		2 No. 969	Pexto Revolving Machine Standard with 10 Machine Holders.

\* Note—Regular furnished with Bench Standards. When ordering No. 969 Revolving Machine Standards, specify "Less Standards."

### STAKES AND BENCH HAND TOOLS — (Order quantities specified for complete shop)

1 No. 910	40" Hollow Mandrel Stake.	3 No. 793	Baby Handy Seamers—3 1/2" Blade.	2	Sets Pexto Solid Punches (2 ea. 0, 1, 2, 3, 4, 5, 6, 7, 8)
1 No. 962	30" Solid Mandrel Stake.	3 No. 14	24"x16" Pexto Steel Squares.	2	Sets Hand Groovers (2 ea. 0, 1, 2, 3, 4, 5, 6)
1 No. 949	Double Seaming Stake with 4 Heads.	1 No. 44	Compound Lever Bench Shear.		
1 No. 921	Double Seaming Stake.	1 No. 14	2 1/2" Cut, Bull Dog Snip.	8 No. 333	Double Burner Brick Lined Gas Furnaces.
1 No. 904	Beakhorn Stake.	1 No. 79	Scroll Snip.	1	Pr. 3 lb. per pr. Soldering Coppers with Handles.
1 No. 944	Hatchet Stake.	1 No. 15	Pexto Hawks Bill Snip.	1	Pr. 4 lb. per pr. Soldering Coppers with Handles.
1 No. 925	Common Blownhorn Stake.	1 No. 8	3 1/2" Cut, Pexto Straight Blade Snip.	1 No. 45	8" Pexto Adjustable Angle Wrench.
1 No. 957	Needle Case Stake.	1 No. C9	3" Cut, Pexto Curved Blade Snip.	1 No. 25	12" Pexto Knife Handle Monkey Wrench.
1 No. 956	Candle Mould Stake.	1 No. 18	3 1/2" Cut, Pexto Combination Snip.	1 No. 1	12" Pexto Pipe Wrench.
1 No. 927	Creasing Stake with Horn.	1 No. 2	58 Oz. Raising Hammer.	1 No. 13	8" Pexto Gas Burner Plier.
1 No. 971	Conductor Stake.	1 No. 3	32 oz. Raising Hammer.	4 No. 250	6" Pexto Round Nose Pliers.
1 No. 965	Round Head Stake.	1 No. 2	16 Oz. Riveting Hammer.	4 No. 200	6" Pexto Flat Nose Pliers.
1 No. 953	Bottom Stake.	1 No. 2	16 Oz. Setting Hammer.	1 No. 1	12" Pexto End Cutting Nipper.
1 No. 935	Coppersmith Square Stake.	1 No. 0	16 Oz. Ball Pein Hammer.	1 No. 3	4" Pexto Solbar Screw Driver.
1 No. 936	Common Square Stake.	2 No. 100	Sets Pexto Cold Chisels (2 ea. 1/4, 3/8, 1/2, 5/8 & 3/4 in.)	1 No. 3	8" Pexto Solbar Screw Driver.
1 No. 932	Bevel Edge Square Stake.			2 No. 40	8" Pexto Side Cutting Pliers.
4 No. 982	30"x8" Stake Bench Plates	2 No. 46	Sets Pexto Rivet Sets (2 ea. 0, 1, 2, 3, 4, 5, 6, 7, 8)		
1 No. 788	Handy Crimper.				
1 No. 789C	Wizard Hand Punch with 1/8", 3/16", 1/4" P. & D.	2	Sets Pexto Hollow Punches (2 ea. 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 in.)		
1 No. 995	8 ft. Steel Straight Edge 2 1/2"x3/8".				
1 No. 795	Jumbo Handy Seamer—6 7/8" Blade.				

### INDIVIDUAL HAND TOOLS — (Order one set for each student)

1 No. 9	3" Cut, Pexto Straight Blade Snip.	1 No. 21	Scratch Awl.	1 No. 3	5/4"x2 3/8" Hickory Mallet.
1 No. 3	14 oz. Riveting Hammer.	1 No. 165	8" Wing Divider.	1 No. 12	2 lb. Soldering Copper (1 lb. each).
1 No. 3	14 oz. Setting Hammer.	1 No. 38	Prick Punch.	1 No. 11	12"x8" Pexto Steel Square.
					Plumbers' Scraper.

## No. 2 — EQUIPMENT FOR SENIOR OR JUNIOR HIGH SCHOOLS

### — MACHINES —

1 No. 132	30" Pexto Squaring Shear with Encased Springs, Back and Front Gauges and Finger Guard.	*1 No. 0581	Pexto Combination Crimper and Beader,—24 Gauge.
1 No. 696	36" Pexto Combination Brake and Folder for bench use.	*1 No. 2544	Pexto Turning Machine with "A" and "B" Turning Rolls.
1 No. 382	30"x2" Pexto Slip Roll Forming Machine with Encased Steel Machine-cut Compensating Gears.	*1 No. 3544	Pexto Burring Machine with "C" and extra Upper Burring Rolls.
1 No. 518	30" Pexto Rapid Grooving Machine.	*1 No. 4544	Pexto Wiring Machine with "D" Wiring Rolls.
1 No. 298	Pexto Ring and Circle Shear.	1	Pr. No. 1 Elbow Edging Rolls for above.
1 No. 620	Pexto Beading Machine with 1/4" Single Bead and 3/4" Ogee Bead Rolls and Bench Standard.	1 No. 561	Setting Down Machine and Bench Standard.
1 No. 644	15 1/2" Throat Double Seaming Machine and Bench Standard.	1 No. 969	Revolving Machine Standard with 10 Machine Holders.

\* Note—Regularly furnished with Bench Standard. When ordering No. 969 Revolving Machine Standard specify "less standard."

### STAKES AND BENCH HAND TOOLS — (Order quantities specified for complete shop)

1 No. 910	40" Hollow Mandrel Stake.	1 No. 79	Scroll Snip.	1	Set Hand Groovers (1 ea. 0, 1, 2, 3, 4, 5, 6)
1 No. 949	Double Seaming Stake with 4 heads.	1 No. 15	Pexto Hawks Bill Snip.	4 No. 333	Double Burner Brick Lined Gas Furnaces.
1 No. 904	Beakhorn Stake.	1 No. 8	3 1/2" Cut, Pexto Straight Blade Snip.	1	Pr. 3 lb. per pr. Soldering Coppers with handles.
1 No. 944	Hatchet Stake.	1 No. C9	3" Cut, Pexto Curved Blade Snip.	1	Pr. 4 lb. per pr. Soldering Coppers with handles.
1 No. 925	Common Blownhorn Stake.	1 No. 18	3 1/2" Cut, Pexto Combination Snip.	1 No. 45	8" Pexto Adjustable Angle Wrench.
1 No. 971	Conductor Stake.	1 No. 3	32 Oz. Raising Hammer.	1 No. 25	12" Pexto Knife Handle Monkey Wrench.
1 No. 965	Round Head Stake.	1 No. 2	16 Oz. Riveting Hammer.	1 No. 1	12" Pexto Pipe Wrench.
1 No. 953	Bottom Stake.	1 No. 2	16 Oz. Setting Hammer.	1 No. 13	8" Pexto Gas Burner Plier.
1 No. 935	Coppersmith Square Stake.	1 No. 100	Set Pexto Cold Chisels (1 ea. 1/4, 3/8, 1/2, 5/8 & 3/4 in.)	2 No. 250	6" Pexto Round Nose Pliers.
1 No. 932	Bevel Edge Square Stake.			2 No. 200	6" Pexto Flat Nose Pliers.
2 No. 982	30"x8" Stake Bench Plates.	1 No. 46	Set Pexto Rivet Sets (1 ea. 0, 1, 2, 3, 4, 5, 6, 7)	1 No. 3	4" Pexto Solbar Screw Driver.
1 No. 789C	Wizard Hand Punch with 1/8", 3/16", 1/4" P. & D.			1 No. 3	8" Pexto Solbar Screw Driver.
1 No. 994	4 ft. Steel Straight Edge 2 1/2"x3/8".			2 No. 40	8" Side Cutting Pliers.
3 No. 793	Baby Handy Seamers—3 1/2" Blade.				
1 No. 14	24"x16" Pexto Steel Squares.				
1 No. 44	Compound Lever Bench Shear.				
1 No. 14	2 1/2" Cut, Bull Dog Snip.				

### INDIVIDUAL HAND TOOLS — (Order one set for each student as specified on No. 1 Recommendations)

## No. 3 — EQUIPMENT FOR COMPOSITE SCHOOL SHOPS

### — MACHINES —

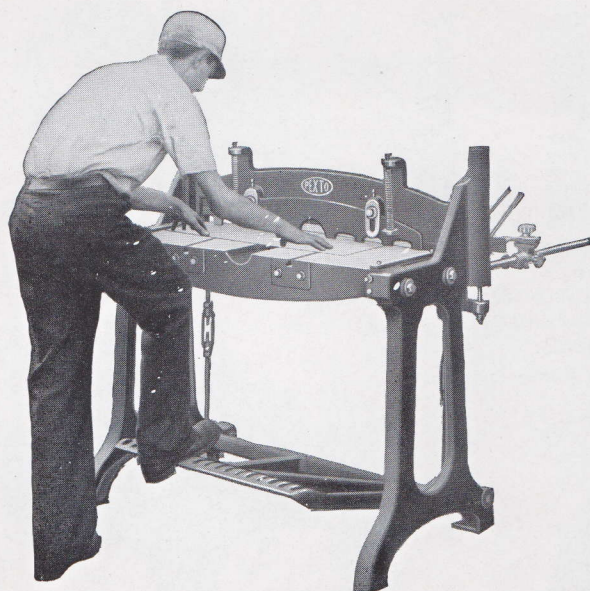
1 No. 132	30" Pexto Squaring Shear with Enclosed Springs, Back and Front Gauges and Finger Guard.	1	Pr. No. 1 Elbow Edging Rolls for No. 1544 Comb. Machine.
1 No. 63	30" Pexto Adjustable Bar Folder with Encase Counter-balance.	1 No. 620	Pexto Beading Machine with 1/4" Single and 3/4" Ogee Rolls, with Bench Standard.
1 No. 382	30"x2" Pexto Slip Roll Forming Machine with Encased Machine-cut Compensating Gears.	1 No. 0581	Pexto Combination Crimping and Beading Machine, with Bench Standard.
1 No. 1544	Combination Bench Machine with "A" and "B" Turning Rolls, "C" Burring Rolls, "D" Wiring Rolls and Bench Standard.	1 No. 561	Pexto Setting Down Machine with Bench Standard.
		1 No. 644	15 1/2" Throat—Double Seaming Machine with Bench Standard.

### STAKES AND BENCH HAND TOOLS — (Order quantities specified for complete shop)

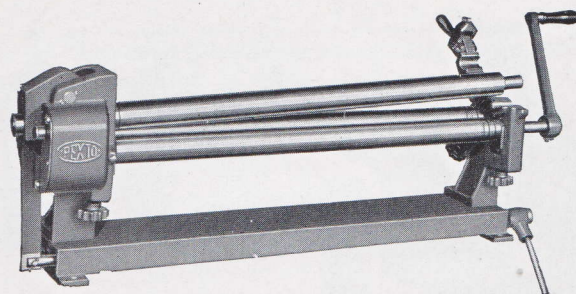
1 No. 964	Pexto Universal Stake Holder and Stakes (Beakhorn, Blownhorn, Creasing with Horn, Double Seaming, Conductor, Candle Mould and Needle Case)	1 No. 14	24"x16" Pexto Steel Square.	1	Set Pexto Solid Punches (1 ea. 3, 4, 5, 6, 7)
1 No. 910	40" Hollow Mandrel Stake.	1 No. 14	2 1/2" Cut, Bull Dog Snip.	1	Set Hand Groovers (1 ea. 1, 2, 3, 4, 5, 6)
1 No. 935	Coppersmith Square Stake.	1 No. 79	Scroll Snip.	2 No. 333	Double Burner Brick Lined Gas Furnaces.
1 No. 943	Hatchet Stake.	1 No. 8	3 1/2" Cut, Pexto Straight Snip.	1	Pr. 3 lb. per pr. Forged Soldering Coppers with Handles.
1 No. 983	Revolving Bench Plate.	1 No. C9	3" Cut, Pexto Curved Blade Snip.	1 No. 250	6" Pexto Round Nose Plier.
1 No. 789C	Wizard Hand Punch with 1/8", 3/16", 1/4" P. & D.	1 No. 18	3 1/2" Cut, Pexto Combination Snip.	1 No. 200	6" Pexto Flat Nose Plier.
1 No. 994	4 ft. Steel Straight Edge 2 1/2"x3/8".	1 No. 3	32 Oz. Raising Hammer.	1 No. 25	12" Pexto Knife Handle Monkey Wrench.
2 No. 793	Baby Handy Seamers—3 1/2" Blade.	1 No. 2	16 Oz. Riveting Hammer.	1 No. 40	8" Pexto Side Cutting Plier.
		1 No. 2	16 Oz. Setting Hammer.		
		1 No. 100	Set Pexto Cold Chisels (1 ea. 1/4, 3/8, 1/2, 5/8, & 3/4 in.)		
		1 No. 46	Set Pexto Rivet Sets (1 ea. 2, 3, 4, 5, 6, 7)		

### INDIVIDUAL HAND TOOLS — Order one set for each student as specified on No. 1 Recommendations)

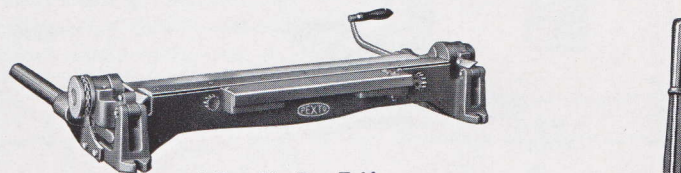




No. 137—36" Squaring Shear with Hold-down Attachment



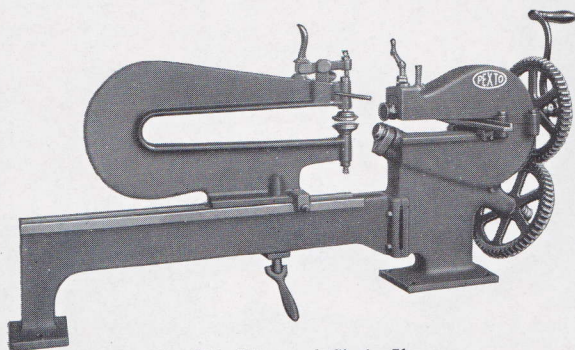
No. 381—36"x2" Slip Roll Forming Machine



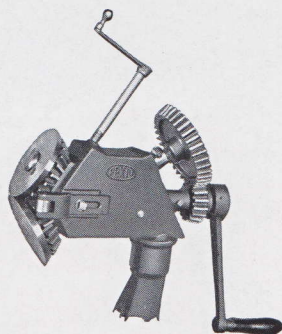
No. 63—30" Adjustable Bar Folder



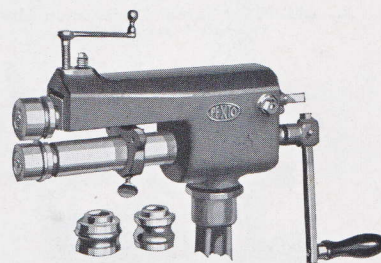
No. 1—30" Wrights Pipe Folder



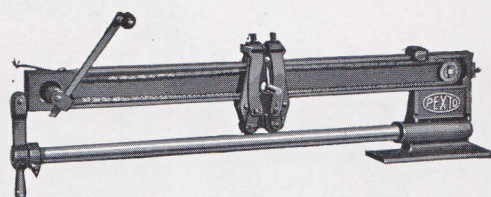
No. 298—Ring and Circle Shear



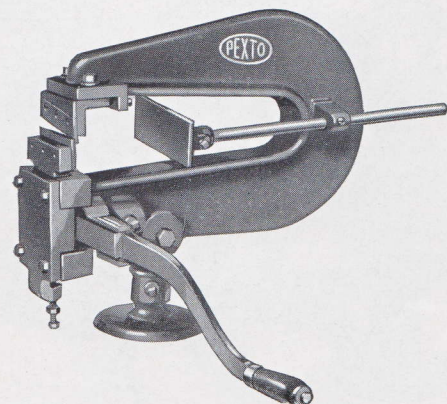
No. 561—Setting Down Machine



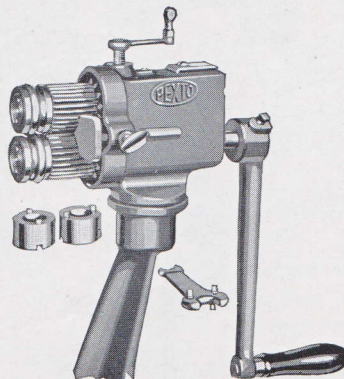
No. 620—Beading Machine



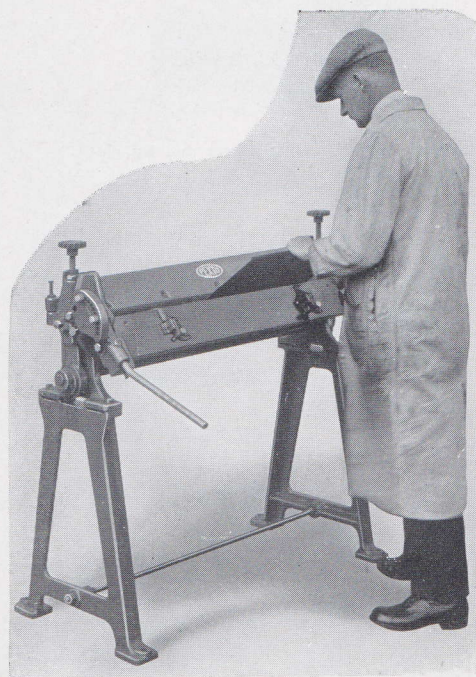
No. 518—30" Grooving Machine



No. 269—18 1/4" Throat Scroll Shear



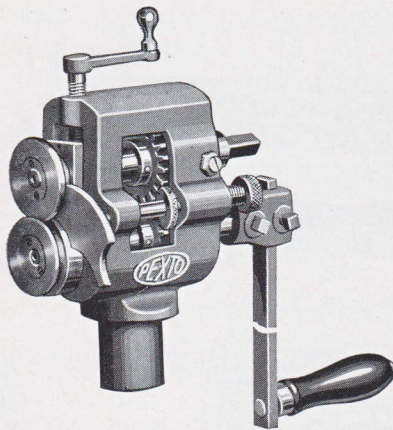
No. 0581—Combination Crimper and Beader



No. 696—36" Combination Brake and Folder on Floor Legs. 20 Gauge Capacity

THE "PEXTO" TRADE MARK IS OUR GUARANTEE OF SATISFACTION





No. 1544 — Combination Machine with "A", "B", "C", and "D" Rolls. No. 1 Elbow Rolls furnished only when specified.



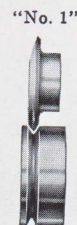
Turning



Burring

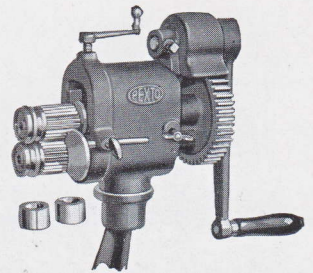


Wiring

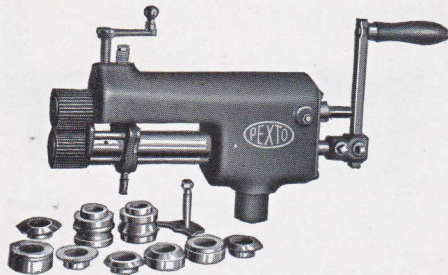


Elbow Edging

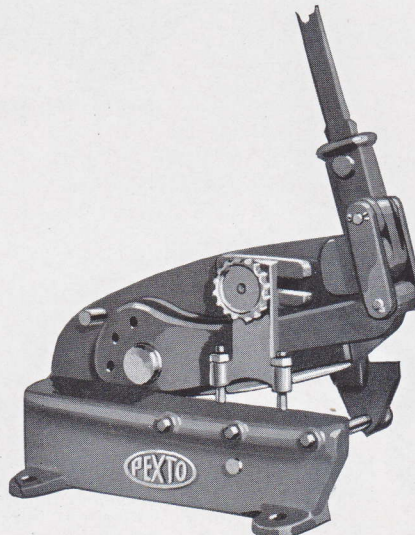
No. 2544—Turning Machine with Thin (A) and Thick (B) Turning Rolls.  
No. 3544—Burring Machine with Burring Rolls (C) and Extra Upper Roll.  
No. 4544—Wiring Machine with Wiring Rolls (D).  
No. 5544—Elbow Edging Machine with Elbow Edging Rolls No. 1.



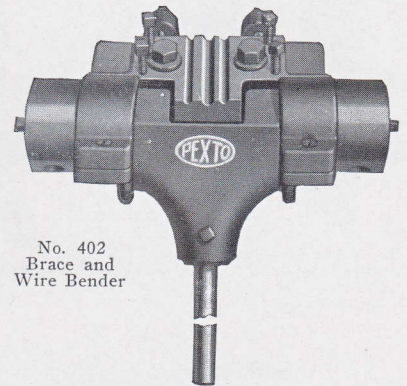
No. 0585—Combination Crimper and Beader



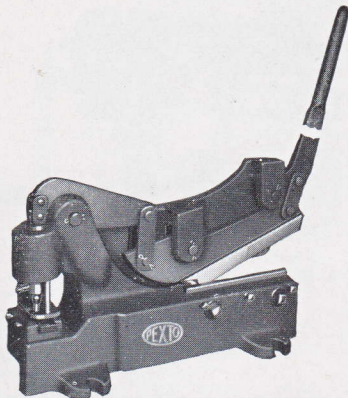
No. 622—Deep Throat Combination Machine with 5 pairs Rolls.



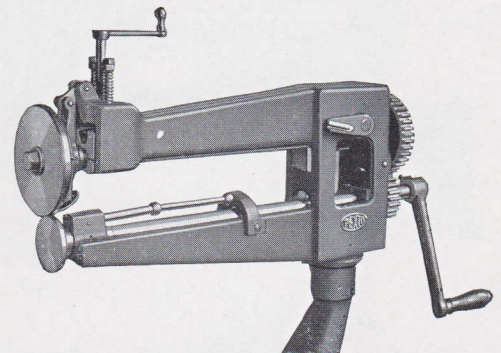
No. R0296—Lever Slitting Shear with Rod Cutter



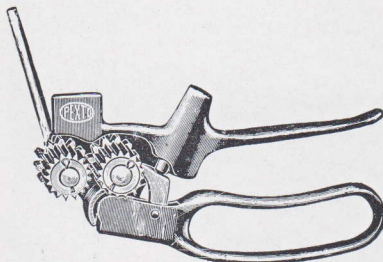
No. 402  
Brace and  
Wire Bender



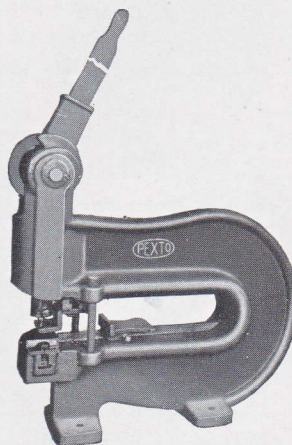
No. 679—Combined Shear and Punch



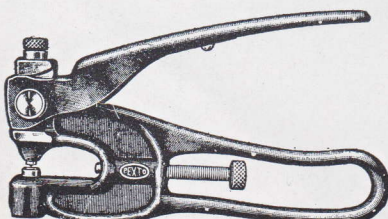
No. 644—15 1/2" Throat Double  
Seaming Machine



No. 788—Handy Crimper



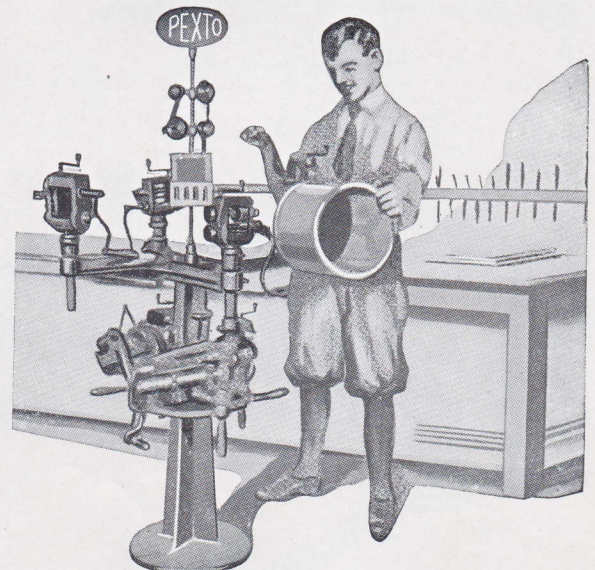
No. 675—15" Throat Lever  
Punch



No. 789-C—Wizard Hand Punch



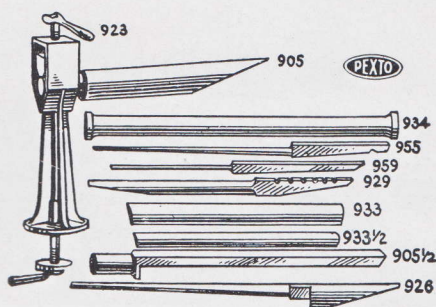
No. 975—Offset  
Bench Standard



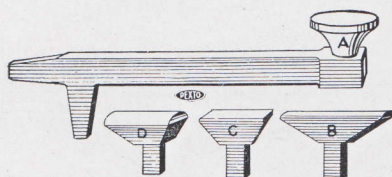
No. 969—Revolving Bench Machine Standard

GOOD SINCE 1785 — EVEN BETTER TO-DAY

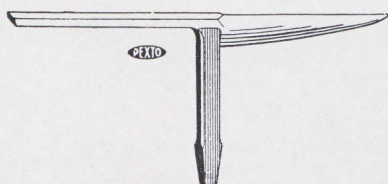




No. 964—Universal Stake Holder and Stakes



No. 949—Double Seaming Stake with 4 Heads



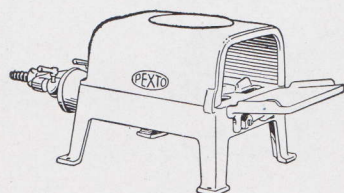
No. 904—Beakhorn Stake



No. 965  
Round Head  
Stake



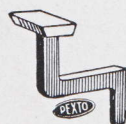
No. 953  
1 1/8" Bottom  
Stake



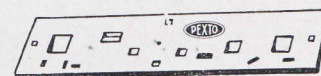
No. 333—Double Burner, Brick  
Lined Gas Furnace



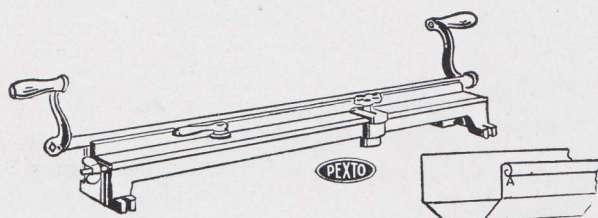
No. 983—8 3/4" x 8 3/4"  
Revolving Bench Plate



No. 932—2 1/2" x 4 1/2"  
Bevel Edge Square  
Stake



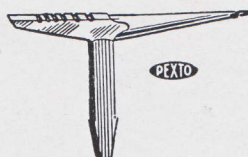
No. 982—30" x 8" Bench Plate



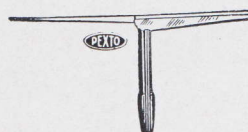
No. 700—30" Adjustable Gutter Beader



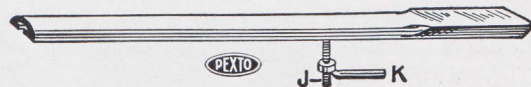
No. 944—11" Hatchet Stake



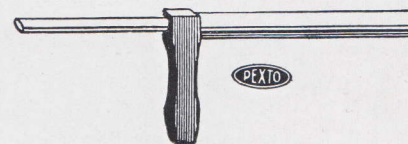
No. 927—Creasing Stake



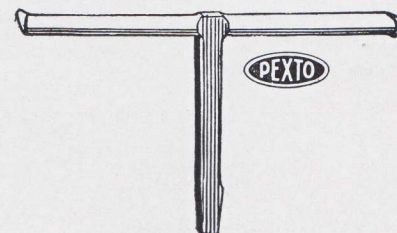
No. 957—Needle Case Stake



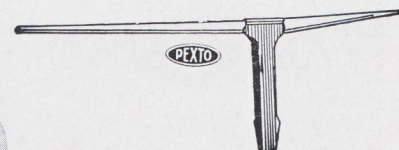
No. 910—40" Hollow Mandrel Stake



No. 971—Conductor Stake



No. 921—Double Seaming Stake



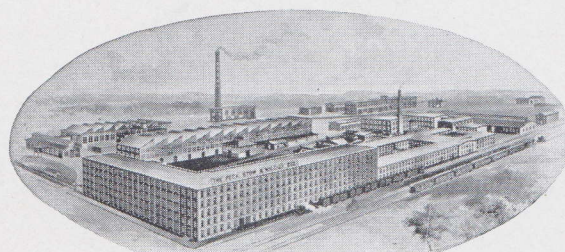
No. 956—Candle Mould Stake



No. 925—Common Blowhorn Stake



No. 962—30" Solid Mandrel Stake



THE PECK, STOW & WILCOX CO., SOUTHTON, CONN.  
Where "Pexto" Machines and Tools are manufactured.



No. 935  
2 3/4" x 4 1/2"  
Coppersmiths  
Square Stake



No. 936  
2 3/4" x 4 1/2"  
Common Square  
Stake



No. 994—48" Straight Edge



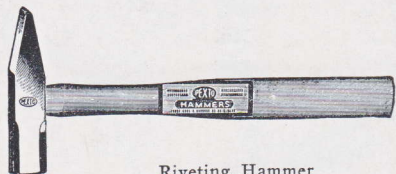
No. 14—24" x 16" Steel Square

ALL ITEMS ILLUSTRATED ON THESE PAGES MANUFACTURED IN OUR OWN FACTORIES

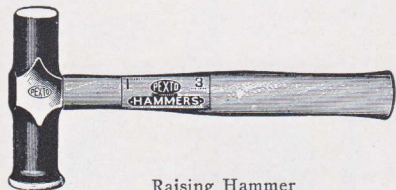




Setting Hammer



Riveting Hammer



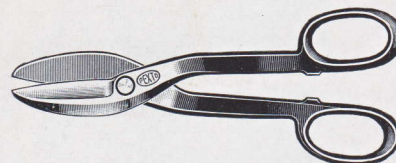
Raising Hammer



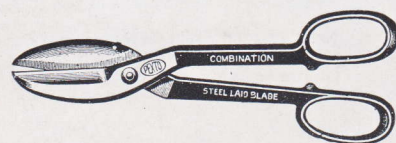
Hickory Mallet



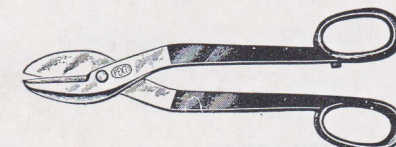
Ball Pein Hammer



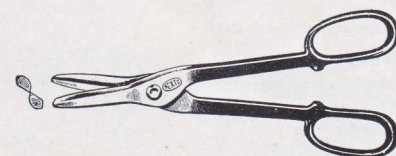
Straight Blade Snip



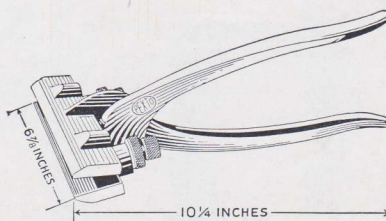
Combination Snip



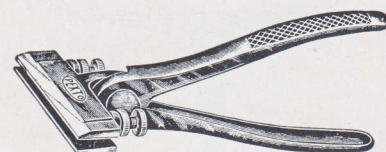
Heavy Bull Dog Snip



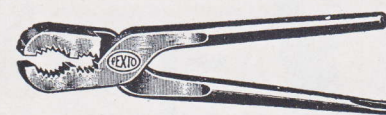
No. 79—Trojan Scroll Snip



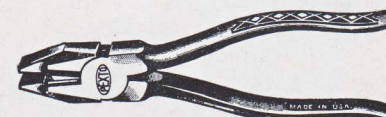
No. 795—Jumbo Handy Seamer



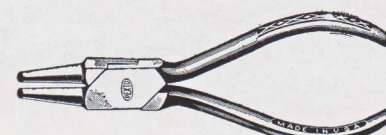
No. 793—Baby Handy Seamer



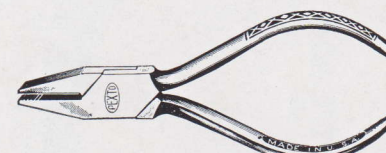
No. 13—Gas Burner Plier



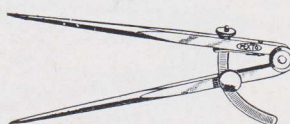
No. 40—Side Cutting Plier



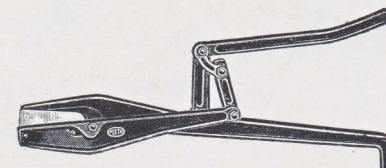
No. 250—Round Nose Plier



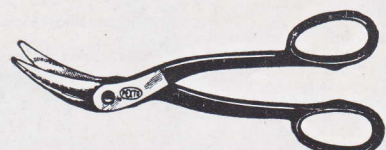
No. 200—Flat Nose Plier



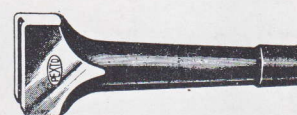
No. 165—Wing Divider



No. 44—Compound Lever Bench Shear



No. 15—Hawks Bill Scroll Snip



Hand Groover



Hollow Punch



No. 46—Rivet Set



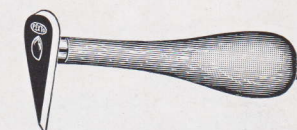
No. 100—Cold Chisel



Solid Punch



Prick Punch



No. 11—Plumbers Scraper



Forged Soldering Copper



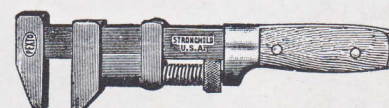
Soldering Copper Handle



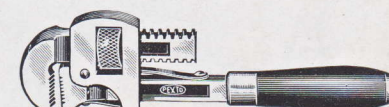
Scratch Awl



No. 45—Adjustable Angle Wrench



No. 25—Knife Handle Wrench



No. 1—Pipe Wrench

COMPLETE CATALOG FURNISHED UPON REQUEST